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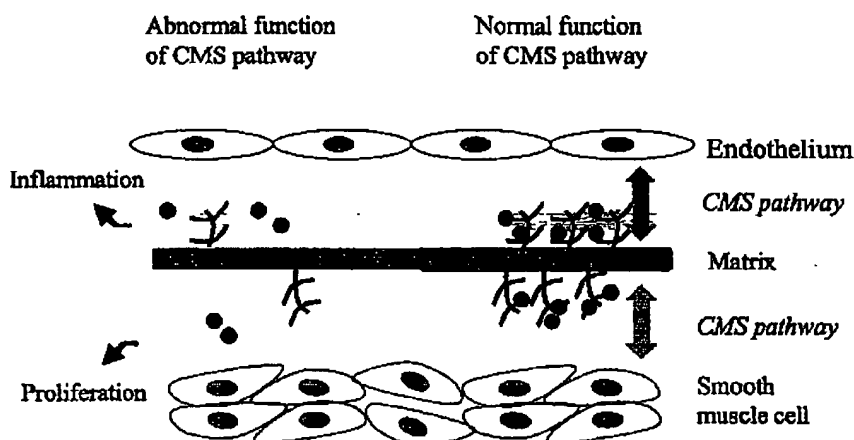
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- (71) Applicant (for all designated States except US): REDDY US THERAPEUTICS, INC. [US/US]; 3065 Northwoods Circle, Norcross, GA 30071-1542 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): PILLARISETTI, Sivram [US/US]; 4762 Grand Heron Court, Norcross, GA 30092 (US). SAXENA, Uday [IN/US]; 2900 Galahad Drive, Atlanta, GA 30345 (US).
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(54) Title: METHODS AND COMPOSITIONS FOR IDENTIFICATION AND THERAPEUTIC USE OF GENES INVOLVED IN VASCULAR AND PROLIFERATIVE DISEASES



(57) Abstract: The present invention comprises compositions and methods for identification of genes involved in vascular diseases using human endothelial and smooth cell "artery wall" models to capture the cell-cell and cell-matrix communications that are operative in normal and diseases conditions. The present invention further comprises the capture of the complexity of multiple chronic pathologies that coexist in humans by simultaneous treatment of the cells with disease specific stimuli and the identification and use of genes that are regulated by such multiple established disease mediators. The present invention additionally comprises compositions and methods of treatment of vascular disease.

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